

KAISELICHES PATENTAMT.



PATENTSCHRIFT

— № 25435 —

KLASSE 47: MASCHINENELEMENTE.

AUSGEGEBEN DEN 11. JANUAR 1884.

OSKAR FALLENSTEIN IN DÜREN.

Neuerung an einer Schmiervorrichtung für dickflüssiges Fett.

Zusatz-Patent zu № 23795 vom 31. December 1882.

Patentirt im Deutschen Reiche vom 8. Juli 1883 ab.

Längste Dauer: 30. December 1897.

In der Construction des Haupt-Patentes ist, wie Fig. 1, in welcher die Führungsstangen weggelassen sind, zeigt, die biegsame Hülle *E* sowohl unten an dem Ring *R* wie oben an dem Deckel *F* befestigt. Statt dessen kann die biegsame Hülle auch für sich allein genommen, mit Fett gefüllt und dann an ihren beiden Enden geschlossen werden, sei es durch einfaches Zubinden in Form einer Wurst, Fig. 2, oder durch Zukleben etc.

Um die Fetthülse in Gebrauch zu nehmen, schneidet man den einen Zipfel derselben ab, bringt sie mit dem abgeschnittenen Ende nach unten in die aus einem einfachen Cylinder mit

Abflussröhre bestehende Schmierbüchse, Fig. 3, und legt das Belastungsgewicht *P* auf, durch welches das Fett langsam auf das zu schmierende Lager gedrückt wird.

Das untere Ende der Hülse schmiegt sich an den Boden der Büchse an, während das obere Ende zusammengedrückt wird.

PATENT-ANSPRUCH:

Anwendung von biegsamen, mit Fett gefüllten Hülsen, welche, in Schmierbüchsen eingesteckt, behufs Abgabe ihres Fettinhaltes zusammengedrückt werden.

Hierzu 1 Blatt Zeichnungen.

OSKAR FALLENSTEIN IN DÜREN.

Neuerung an einer Schmiervorrichtung für dickflüssiges Fett.

Fig. 1.

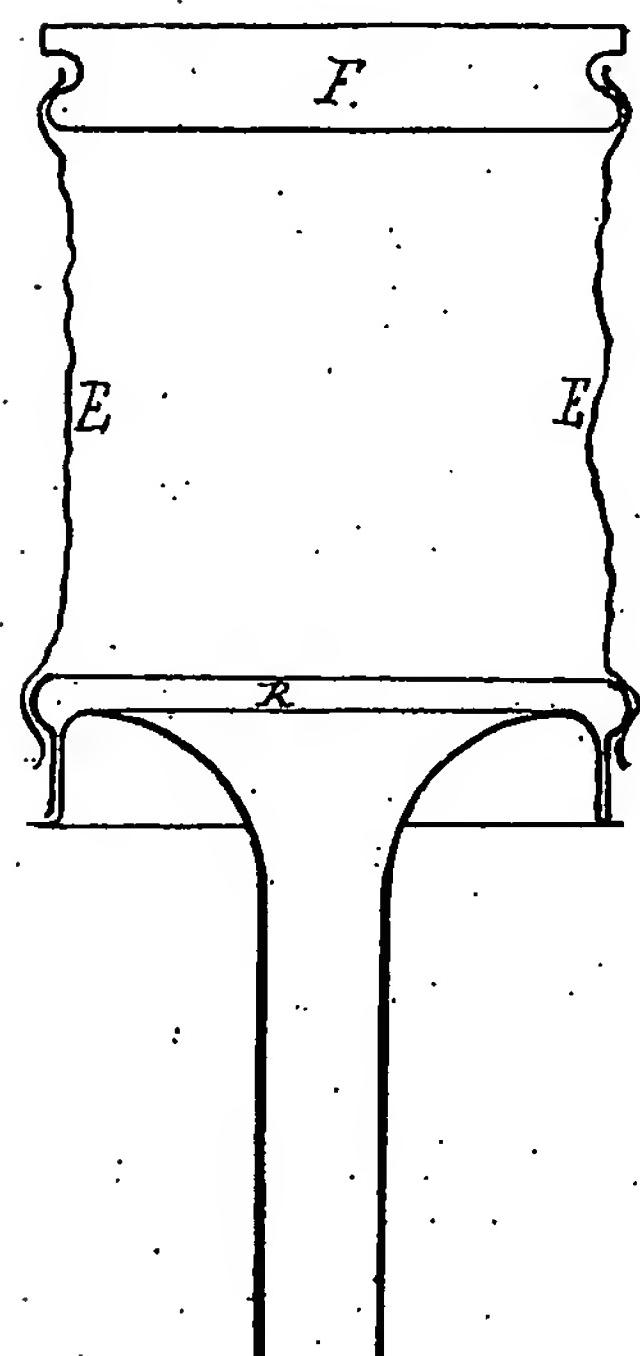


Fig. 2.

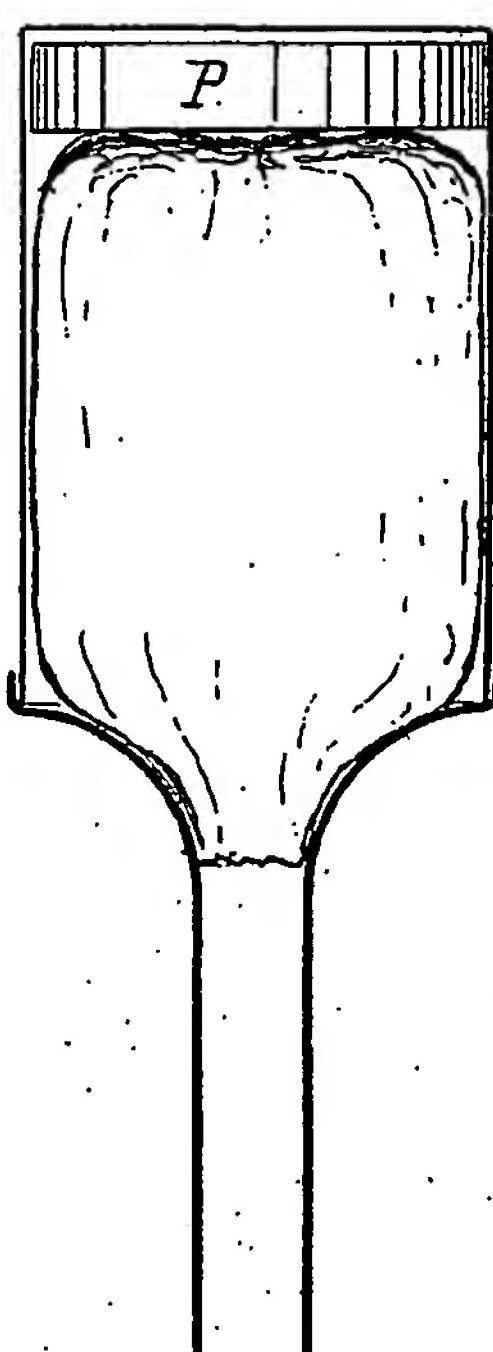
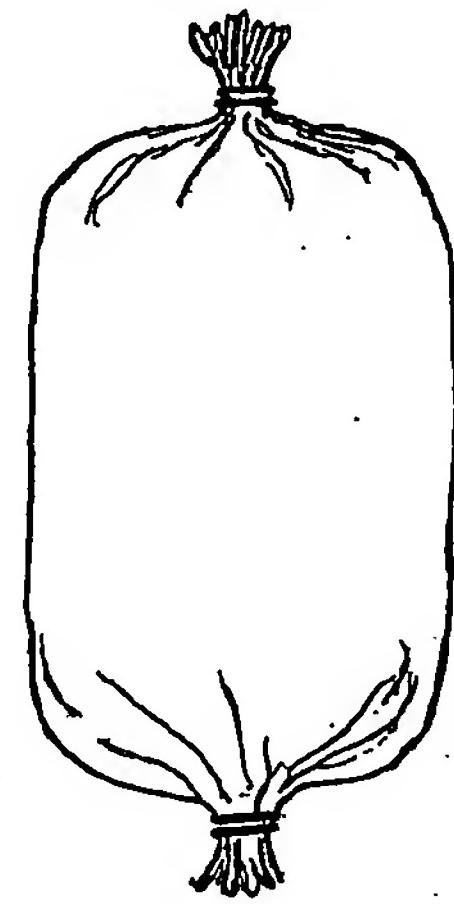


Fig. 3.



1 2 3 4 5 6 7 8 9 10 Centim.

Zu der Patentschrift

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Lubrication assembly for bearings of bottom waters working machines. Machines, which must work bottom waters, z. B. Water turbines; that exists major disadvantage that the machine makes the suitable supply more difficult of the bearing with lubricant around giving water pressure, in which the water into the bearing to penetrate seeks. One has now, - over this disadvantage to remedy, in for lubrications of the bearing planned admission line a ge schlossen container arranged, in which except that Lubricant Pressure medium present is, which on the lubricant in the manner it works that it against except half acting pressure the ambient Water into the bearing one presses. Pressure the means knows dry compressed air or Pressing gas its, wofern such gas neither that Camp metal still the lubricant attacks. So far the pressure from a machine became to the spatial separate pressure vessel, that with the bearing by means of a rigid tube, a flexible tube o. D; I. connected was, supplied. This Mechanism was stood around lich and frequent unanwendbar, why according to the invention another type and ice selected will, in order to produce the pressure within the container, without supply lines required are.

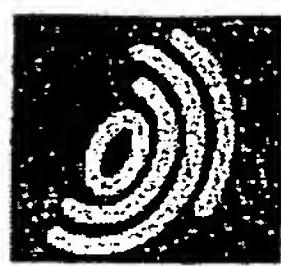
The invention is mainly there through characterized that lubrication before direction with one with that Lsgen immediate connected pressure vessel is provided, present in which the gas is either in pressed state or only on known chemical Paths developed becomes.

In that Drawing is one Embodiment the invention shown, whereby the image the average at the support bearing ange ▲ top arranged one, with lubricant and pressure medium of filled container it shows, within its one Gaspatrone to Generation of the Internal pressure mounted is.

In the image referred A the shaft of the machine, which on the supporting ball bearing b movable is. The bearing housing C with that for the seal of the bearing required glands< I> D< /I> and seals A is with one Screw opening provide, into which a pressure and Lubricant container g a dense screwed will can. v referred one with channels y and one Pin p provided disc, into those Lubrication opening f of the bearing housing C is screwed in. Owner g, its lower part the lubricant j contains, becomes at in the drawing the bottom end with a metal disc q and above with bell-shaped screws a cover y sealed, at which unterwärts a cartridge, z. B. one also Pressgas filled capsule s, screwed is. The channels ii form the way out for the gas, if by a pushing of the " cap cover by means of mandrel of pin t those Opening accomplished eats. Those the pin t supporting screw z must become for this up to the reason down-screwed.

Furthermore becomes when screwing of owner in g in the bearing housing C the metal disk q of the pin p perforates, so that in follow the gas pressure the lubricant into the bearing pressed becomes. The impact of the apparatus shown in the image is the subsequent: The made gas free from the cartridge s, which by in the upper part of the cartridge located channels u into the space above of the Lubricant j, floats the lubricant with pressure withdraws by from the pin p in the metal disc q opening Opening and other by the opening v into the bearing inside. When screwing the container on g this first so far down screwed becomes that< B> Stift' p< /B> the disc q penetrates and thereafter somewhat heraufge screws, thus the pin the passage of the Lubricant not prevented.

The described apparatus knows also in other embodiments realized become, without of the principle that Invention deviated becomes. For example the cartridge s chemicals can contain, which capable is, gas too develop and it into that Containers g leak out or up to let work the lubricant. The cartridge mentioned can be provided with a valve s, which can become so controlled or automatic adjusts themselves in such a way that the ge wished, on that Lubricant acting pressure achieved becomes.



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 OF CLAIMS< /B>. i. Lubrication assembly for bearings, with one into those Lubricant line a set closed container, which to fillings both with lubricant and with one on that Lubricant acting pressure mediums to Pressing out the lubricant into the bearing herge arranges is, characterised in that in the container (g) a cartridge (s) at brought 'is, those Pressgas or gasent winding chemicals o. such. contains. 2. Lubrication assembly after Patentan saying i, - characterised in that the cartridge (s) is provided with a valve, which so arranged is that it; wine the pressure in the bearing up to a certain Minimum sinks itself, opens and gas lets through. 3. Lubrication assembly after Patentan saying i, characterised in that of the containers (g) through a metal disc (q) completed is, those with the attachment of the container at the bearing of one at this mounted pin (p) o. such. perforated becomes, around the lubricant Passage to< B> -< /B> grant.

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